Lockheed Martin Corporation
Corporate Environment, Safety & Health
7921 Southpark Plaza, Suite 210 Littleton, CO 80120

SFUND RECORDS CTR

LOCKHEED MARTIN

July 31, 2000

Mr. Gerard J. Thibeault
Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Dear Mr. Thibeault:

In accordance with the approved Water Supply Contingency Plan, enclosed is one copy of the May 2000 Production Well Sampling Program report prepared by Earth Tech for Lockheed Martin Corporation. This report presents analytical results from samples collected at Bunker Hill Basin Production Wells in May of 2000. The report includes laboratory quality assurance/quality control documentation.

If you or your staff have any comments or questions, please contact me at 303.971.1880.

Sincerely,

Stephen Evanoff, P.E., DEE Manager, Central ESH Services

SE:eah

Enclosures

c: See Attached Distribution List

Mr. Gerard Thibeault July 31, 2000 Page 2

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Mr. Gerard Thibeault July 31, 2000 Page 3

bc: (Abbreviated report without attachments "A & B" which are available upon request)

Gallop, Johnson & Neuman 101 S. Hanley Road St. Louis, MO 63105 Attn: Michael Re

Highland Supply Corporation 1111 Sixth Street Highland, IL 62249 Attn: Donald E. Weder

Seven W Enterprises, Inc. 1500 Crafton Ave., P. O. Box 111 Redlands, CA 92373-1730 Attn: Janet M. Weder

Seven W. Enterprises, Inc. 1111 Sixth Street Highland, IL 62249 Attn: Wanda M. Weder Mr. Gerard Thibeault July 31, 2000 Page 4

bc: (Abbreviated report without attachments "A & B" which are available upon request)

Stephen Evanoff, LMC
Doug Goins, LMC-Legal (Denver)
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Lockheed Martin Corporation West Coast Project Office 2550 N. Hollywood Way, 3rd Floor Burbank, California 91505

Attention:

Mr. Eric Hodder

Project Supervisor

Subject:

May 2000 Data Report

Water Supply Contingency Plan Production Well Sampling Program Crafton-Redlands Plume Project Telephone

562.951.2000

Facsimile

562.951.2100

Dear Mr. Hodder:

This report presents a summary of results of the Water Supply Contingency Plan production well sampling for the month of May 2000. The Water Supply Contingency Plan (WSCP) was prepared by Lockheed Martin Corporation and submitted to the State of California Regional Water Quality Control Board (RWQCB) Santa Ana Region on September 30, 1996. The plan was conditionally approved by the RWQCB in a letter dated March 6, 1997. The WSCP for the Crafton-Redlands Plume was prepared to address maintenance of water supply to purveyors in the event that wells became impacted with trichloroethene (TCE) from the Crafton-Redlands TCE Plume. A summary of key dates and WSCP sampling program evolution is provided on Table 1.

The locations of the WSCP wells and analytical results for the May 2000 sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively. Table 2 presents a summary of analytical tests performed on each WSCP well and water system sampling point. The sampling frequency of each well is once a month for the first year. More frequent sampling, if required, is based on the analytical results as outlined in the WSCP TCE and perchlorate decision matrices, provided as Figures 3 and 4, respectively. The perchlorate decision matrix was presented in the Perchlorate Work Plan and Schedule, which was submitted to the RWQCB on August 15, 1997. The RWQCB approved the Perchlorate Work Plan on October 31, 1997. Table 3 presents a summary of the wells sampled twice monthly according to the decision matrices.



RESULTS

Summaries of the analytical results for the May 2000 WSCP sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively, and presented on Table 4. Available groundwater elevation data are provided on Table 5. The water sampling field forms are provided in Attachment A. Chain-of-custody, laboratory data sheets, and Level III laboratory quality assurance/quality control (QA/QC) documentation are provided in Attachment B.

Trichloroethene

Three groundwater samples collected in May met or exceeded $2/5^{th}$ the MCL for TCE (i.e., were greater than or equal to $2.0~\mu g/L$) including: Gage $26-1~(7.6~\mu g/L)$, Gage $27-1~(9.2~\mu g/L)$ and Gage $29-2~(6.0~\mu g/L)$. The TCE impacts at Gage 26-1, Gage 27-1, Gage 29-2~ and Gage 29-3~ are partially attributed to the Norton AFB plume and partially attributed to the Crafton Redlands plume. In May, Gage 29-3~ was off-line and not sampled.

Mountain View #2 and Richardson #1 were activated for sampling only. The purge water from Mountain View #2 and Richardson #1 were pumped to waste, and not into the system.

The Mountain View Blend – Lawton sampling point was not sampled in May because only the Mountain View #3 well was pumping into this system. The COLL Richardson Blend sampling point was not sampled in May because only the Richardson #3 well was pumping into the Richardson system. Thus, sampling of these two sample points would be redundant.

Gage 26-1 and Gage 27-1 were placed into TCE treatment in May 1999; TCE treatment was installed at Gage 29-2, Gage 29-3, and Gage 92-1 in February 2000. Therefore, these five wells will be sampled once a month for TCE when active.

Eleven of the WSCP wells have now had measured TCE concentrations averaging less than one-fifth of the MCL (i.e., $< 1.0 \,\mu\text{g/L}$) over the past 12 months. According to the decision matrix for sampling TCE (Figure 3), the sampling frequency for these wells may now be changed from monthly to quarterly. The next sampling event for the following eleven wells will be in July 2000:

Richardson #3	Southern Cal. Edison #2	Gage #29-1
Gage #30-1	Gage #46-1	Gage #51-1
Gage #56-1	Gage #66-1	Gage #92-2
Gage #92-3	City of Redlands Rees	

Perchlorate

In the May WSCP sampling, perchlorate was detected at or above 75 percent of the PAL (i.e., greater than or equal to 13.5 μ g/L) in COLL Mountain View #2 (16 μ g/L), Gage 29-2 (40 μ g/L) and Gage 92-1 (18 μ g/L).

Gage 29-2, Gage 29-3, Gage 51-1, Gage 92-1 and COLL Mountain View #2 wells are currently being sampled twice a month for perchlorate, if active. In May, Gage 29-3 and Gage 51-1 were off-line and not sampled.

The perchlorate impacts observed at Mountain View #2 are consistent with historic data when the well is sampled shortly after it is turned on. As stated above, water from Mountain View #2 was not pumped into the system and therefore a confirmation sample was not collected.

Six of the WSCP wells have now had measured perchlorate concentrations averaging less than one-quarter of the PAL (i.e., < 4.5 μ g/L) over the past 12 months. According to the decision matrix for sampling perchlorate (Figure 4), the sampling frequency for these wells may now be changed from monthly to quarterly. The next sampling event for the following six wells will be in July 2000:

Richardson #3 Gage #56-1 Southern Cal. Edison #2

Gage #30-1

Gage #92-2

Gage #92-3

CLOSING

Earth Tech greatly appreciates being of continued service to Lockheed Martin Corporation on this project. Should you have any questions or comments, please do not hesitate to call.

Sincerely, Earth Tech

Eric Peterson, P.E. Program Director

Matthew Werner, R.G., C.E.G., C.H.

Project Manager

KEY PROJECT DATES AND WSCP SAMPLING PROGRAM EVOLUTION

August 2, 1996, the RWQCB – Santa Ana Region requested Lockheed Martin to submit a conceptual Water Supply Contingency Plan.

September 30, 1996, Lockheed Martin submitted the Water Supply Contingency Plan (WSCP) to the RWOCB – Santa Ana Region.

March 6, 1997, the RWQCB conditionally approved the WSCP, which included sampling eight production wells (City of Loma Linda Richardson #1, Richardson #2, Mountain View #1, Mountain View #2, Victoria Farms Mutual Water Company Wells #1 and #3, and Southern California Edison #1 and #2).

June 1997, Victoria Farms Mutual Water Company was connected of City of San Bernardino Water. Pumping ceased at VFMWC #1 and #3, and the two wells were removed from the program.

June 1997, sampling of SCE #1 was discontinued because it is not operated on a regular basis. The WSCP consists of five wells, including COLL Mountain View #1 and #2, COLL Richardson #1 and #2, and SCE #2 (AUX).

August 1997, the WSCP was expanded due to the detection of perchlorate in municipal supply wells in the Bunker Hill Basin. Twenty-six wells were added to the WSCP including nineteen City of Riverside wells, five City of Redlands wells, and two Loma Linda University wells, for a total of 31 wells.

October 1997, three City of Riverside water system sampling points were added to the WSCP, including the Gage system pipeline (Gage Delivery), the Waterman system pipeline (Iowa Booster), and the sampling station measuring outflow from the Linden and Evans Reservoirs (7th & Chicago).

March 1998, two City of Loma Linda water system sampling points were added to the WSCP, including the Mountain View system pipeline (Mountain View Blend at Lawton) and the Richardson system pipeline (Richardson Blend).

June 1998, one City of Riverside irrigation water system sampling point (Gage Arlington) and one additional City of Loma Linda water system sampling point (Mountain View Blend at Timoteo) were added to the WSCP.

December 1998, the COLL Richardson #3 well was added to the WSCP Sampling Program.

May 1999, Sampling of Mountain View Blend at Timoteo was discontinued because it does not represent a blend sample of the Mountain View pipeline system.

December 1999, the COLL Mountain View #3 well and the Gage 98-1 well were added to the WSCP Sampling Program

February 2000, the COLL Richardson #2 well was decommissioned, and therefore removed from the WSCP Sampling Program.

TABLE 2
WSCP PRODUCTION WELL SAMPLING PROGRAM

well Name Intain View #2 Intain View #3 Intain View #3 Intain View #3 Intain View #3 Intain View Blend - Lawton Intain View #3 Intain View Blend - Lawton Intain	X X X X X X X X X X X X X X X X X X X		X X X	
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ardson #3 ter System Sampling Points ntain View Blend - Lawton ardson Blend Formerly Southern California Edisc #2 (AUX) Iniv Anderson #2 Iniv Anderson #3 System) e #26-1 e #27-1 e #27-2	X X X Don) X X X X X X X X X X X X X X X X X X X		X X X X X X X X X X X X X X X X X X X	
ter System Sampling Points Intain View Blend - Lawton Intain View Blend - L	X X DON) X X X X X X X X X X X X X X X X X X X		X X X X	
ntain View Blend - Lawton ardson Blend Formerly Southern California Ediso #2 (AUX) Iniv Anderson #2 Iniv Anderson #3 System) e #26-1 e #27-1 e #27-2	X X Don) X X X X X X X		X X X X	
ardson Blend Formerly Southern California Edison #2 (AUX) Iniv Anderson #2 Iniv Anderson #3 System) e #26-1 e #27-1 e #27-2	X Don) X X X X X X		X X X	
Formerly Southern California Edison #2 (AUX) Iniv Anderson #2 Iniv Anderson #3 System) e #26-1 e #27-1 e #27-2	X X X X X X		X ***********************************	
#2 (AUX) Iniv Anderson #2 Iniv Anderson #3 System) e #26-1 e #27-1 e #27-2	X X X		X	
#2 (AUX) Iniv Anderson #2 Iniv Anderson #3 System) e #26-1 e #27-1 e #27-2	X X X		X	
Iniv Anderson #2 Iniv Anderson #3 System) e #26-1 e #27-1 e #27-2	X X X		7	
Iniv Anderson #3 System) e #26-1 e #27-1 e #27-2	X X X			
e #26-1 e #27-1 e #27-2	XXX			
e #26-1 e #27-1 e #27-2	X X			
e #26-1 e #27-1 e #27-2	X X			
e #27-1 e #27-2			Χ	
e #27-2			X	
	X		X	
e #29-1	X		X	
e #29-2	Х		X	
e #30-1	X			
e #31-1	X		X	
e #46-1	X		X	
e #51-1				
e #56-1				
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	e #29-3 e #30-1 e #31-1 e #46-1 e #46-1 e #51-1 e #56-1 e #66-1 e #92-1 e #92-2 e #92-3 e #98-1 rman System) #6 #10 e#11 System Sampling Points Booster (Waterman) e Delivery (Gage) & Chicago (Reservoir) e Arlington	##29-3 ##30-1 ##31-1 ##46-1 ##51-1 ##56-1 ##56-1 ##92-1 ##92-2 ##92-3 ##98-1 ##10 ##11 System Sampling Points Booster (Waterman) # Chicago (Reservoir) # Arlington # Church St # 30-1 # 30-1 # 30-1 # 30-1 # 30-1 # 40	##10 ##10 ##11 System Sampling Points ##10 ##11 System Sampling Points Booster (Waterman) ## Chicago (Reservoir) ## Arlington ## Church St ## Arlington X X X X X X X X X X X X	##10 ##10 ##10 ##11 ##10 ##11 ##38 ##38 ##38 ##38 X X X X X X X X X X X X

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

TABLE 3

WSCP PRODUCTION WELL SAMPLING PROGRAM MAY 2000 WELLS SAMPLED TWICE MONTHLY

Well Number	Well Name	Perchlorate	TCE
City of Loma Lir	ida 🐃	And to have the second of the	AND SECURITY OF THE PROPERTY O
692	Mountain View #2	Х	
City of Riverside	e (Gage System)		
219	Gage #29-2	X	×
220	Gage #29-3	Х	X
253	Gage #51-1	X	
644	Gage #92-1	X	

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

WSCP PRODUCTION WELL SAMPLING PROGRAM MAY 2000 DATA RESULTS

Well Number	Well Name		Perchlorate (ug/L)	TCE (ug/L)
-		Sample Date	Del Mar	
City of Loma Line	dan ser en en ser en	Constitution of the Consti	Der mei	
692	Mountain View #2	5/2/00	16	0.71
692	Mountain View #2*	5/15/00	12	NA NA
3106	Mountain View #3	5/2/00	ND (4.0)	ND (0.5)
693	Richardson #1	5/2/00	9.1	ND (0.5)
707	Richardson #1 (Duplicate)	5/2/00	9	ND (0.5)
707	Richardson #3	5/2/00	ND (4.0)	ND (0.5)
	da Water System Sampling Points		· · · · · · · · · · · · · · · · · · ·	
2967	Mountain View Blend - Lawton	NS	NS I	NS
2968	Richardson Blend	NS	NS	NS
	ower (Formerly Southern California Ed		The Control of the Control	
554	SCE #2 (AUX)	5/2/00	ND (4.0)	ND (0.5)
Loma Linda Univ	rersity the state of the state			and the second s
267	LL Univ Anderson #2	5/2/00	ND (4.0)	NA
717	LL Univ Anderson #3	5/2/00	ND (4.0)	NA NA
	(Gage System)			
252	Gage #26-1 ^b	5/1/00	13	7.6
258	Gage #27-1 ^b	5/1/00	6.8	9.2
259	Gage #27-2	5/1/00	9.9	ND (0.5)
260	Gage #29-1	5/1/00	9.5	ND (0.5)
	Gage #29-2 ^b			
219		5/1/00	40	6.0
219	Gage #29-2 ^b (Duplicate)	5/1/00	40	5.5
219	Gage #29-2*b	5/15/00	39	5.9
219	Gage #29-2*b (Duplicate)	5/15/00	39	5.7
220	Gage #29-3 ^b	NS	NS	NS
218	Gage #30-1	5/1/00	ND (4.0)	ND (0.5)
214	Gage #31-1	5/1/00	ND (4.0)	ND (0.5)
215	Gage #46-1	5/1/00	5.6	ND (0.5)
253	Gage #51-1 ^b	NS	NS	NS
216	Gage #56-1	5/1/00	ND (4.0)	ND (0.5)
257	Gage #66-1	5/1/00	10	ND (0.5)
644	Gage #92-1 ^b	5/1/00	18	1.2
644	Gage #92-1*b	5/15/00	18	NA NA
641	Gage #92-2	5/1/00	ND (4.0)	ND (0.5)
642	Gage #92-3	5/1/00	ND (4.0)	ND (0.5)
3091	Gage #98-1	5/1/00	ND (4.0)	ND (0.5)
City of Riverside	(Waterman System)			ACCUMANTAL AND ACCUMANTA AND ACCUMANTAL AND ACCUMAN
273	Hunt #6	5/2/00	7.1	NA
271	Hunt #10	5/2/00	5	NA
272	Hunt #11	NS	NS	NS
	Water System Sampling Points	and the second	**************************************	700 0000000
2946	Iowa Booster (Waterman)	5/2/00	ND (4.0)	ND (0.5)
2947	Gage Delivery (Gage)	5/2/00	4.1	ND (0.5)
2947	Gage Delivery (Gage); (Duplicate)	5/2/00	4.1	ND (0.5)
2948	7th & Chicago (Reservoir)	5/2/00	ND (4.0)	ND (0.5)
3018	Gage Arlington	5/2/00	5.1	NA
City of Redlands	· St. of Summers of the St.	White the state of	44	Approximation of the second of
542	COR Church St ^a	NS	NS	NS
2673	COR #38ª	NS	NS	NS
535	COR Mentone Acres ^a	NS	NS	NS
29	COR Orange St ^a	NS	NS	NS
74	COR Clarige St	5/2/00	5.9	ND (0.5)
/ **	IOON INSES		0.0	140 (0.0)

Notes:

* = Twice-monthly sampling result

ND(4) = Not detected at the specified limit

NA = Not Analyzed
NS = Not Sampled

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified

TCE analyzed using EPA Method 502.2

a = Well sampled on quarterly basis, if active

b = TCE treatment is installed

c =Water purged to waste and not into system

SUMMARY OF WATER LEVEL MEASUREMENTS MAY 2000 SAMPLING EVENT

	Well Name	A Section of the Control of the Cont	Depth to	Measuring Point	Groundwater	
Well Number		Measure Date	Water	Elevation	Elevation	Comments
City of Loma Lind						
	Mountain View #2	5/2/00	173	1085	912	Static
	Mountain View #3	5/2/00	110	1086	976	Pumping
l	Richardson #1	5/2/00	163	1077	914	Static
	Richardson #3	5/2/00	215	1078.69	863.69	Pumping
	wer (Formerly Southern Californ		SELECT 1	<u>, , , , , , , , , , , , , , , , , , , </u>		
	SCE #2 (AUX)	NM NM	NM	1100	NM NM	Pumping
Loma Linda Unive			25- 25 March 20- 1		1 dina 6	Films
	LL Univ Anderson #2	NM	NM	1075	NM	Pumping
	LL Univ Anderson #3	NM	NM	1070	NM	Pumping
City of Riverside (Gage System)		· · · · · · · · · · · · · · · · · · ·	- Language Calabaran (in 1991)		
252	Gage #26-1	5/2/00	87.20	1045.33	958.13	Pumping
258	Gage #27-1	5/2/00	87.20	1044.64	957.44	Pumping
259	Gage #27-2	5/2/00	100.60	1044.64	944.04	Pumping
260	Gage #29-1	5/2/00	104.80	1044.43	939.63	Pumping
219	Gage #29-2	5/2/00	80.50	1046.31	965.81	Pumping
220	Gage #29-3	5/2/00	68.70	1048.75	980.05	Static
218	Gage #30-1	5/2/00	173.20	1054.17	880.97	Pumping
214	Gage #31-1	5/2/00	133.40	1054.64	921.24	Pumping
215	Gage #46-1	5/2/00	132.80	1065.5	932.7	Pumping
253	Gage #51-1	5/2/00	100.90	1044.64	943.74	Static
216	Gage #56-1	5/2/00	178.00	1065.5	887.5	Pumping
257	Gage #66-1	5/2/00	128.30	1044.85	916.55	Pumping
644	Gage #92-1	5/2/00	162.60	1047.78	885.18	Pumping
641	Gage #92-2	5/2/00	190.90	1053.38	862.48	Pumping
642	Gage #92-3	5/2/00	192.90	1058.78	865.88	Pumping
3091	Gage #98-1	5/2/00	181.80	1058.78	876.98	Pumping
City of Riverside ((Waterman System)	· Linket .	- 4 " <u>45</u> 4".	ili water - : -	u redžejet i	*
273	Hunt #6	NM	NM	1015.5	NM	Pumping
271	Hunt #10	NM	NM	1017	NM	Pumping
272	Hunt #11	NM	NM	1015.7	NM	Static
City of Redlands	employee, see	Carry State	Land Control of the C	a same	ms seeman	
542	COR Church St	5/1/00	157.0	1344.8	1187.8	Pumping
2673	COR #38	5/1/00	140.0	1193	1053	Pumping
535	COR Mentone Acres	5/1/00	218.0	1506.4	1288.4	Pumping
29	Cor Orange St	5/1/00	116.0	1282	1166	Pumping
74	COR Rees	5/1/00	243.0	1490	1247	Pumping

Notes:

All measurements reported in feet below measuring point (ft-bmp)

Water level measurements for all City of Loma Linda, City of Riverside, and City of Redlands wells were obtained by purveyor personnel.

Elevations given in feet above mean sea level (ft-msl)

NM = Not measured

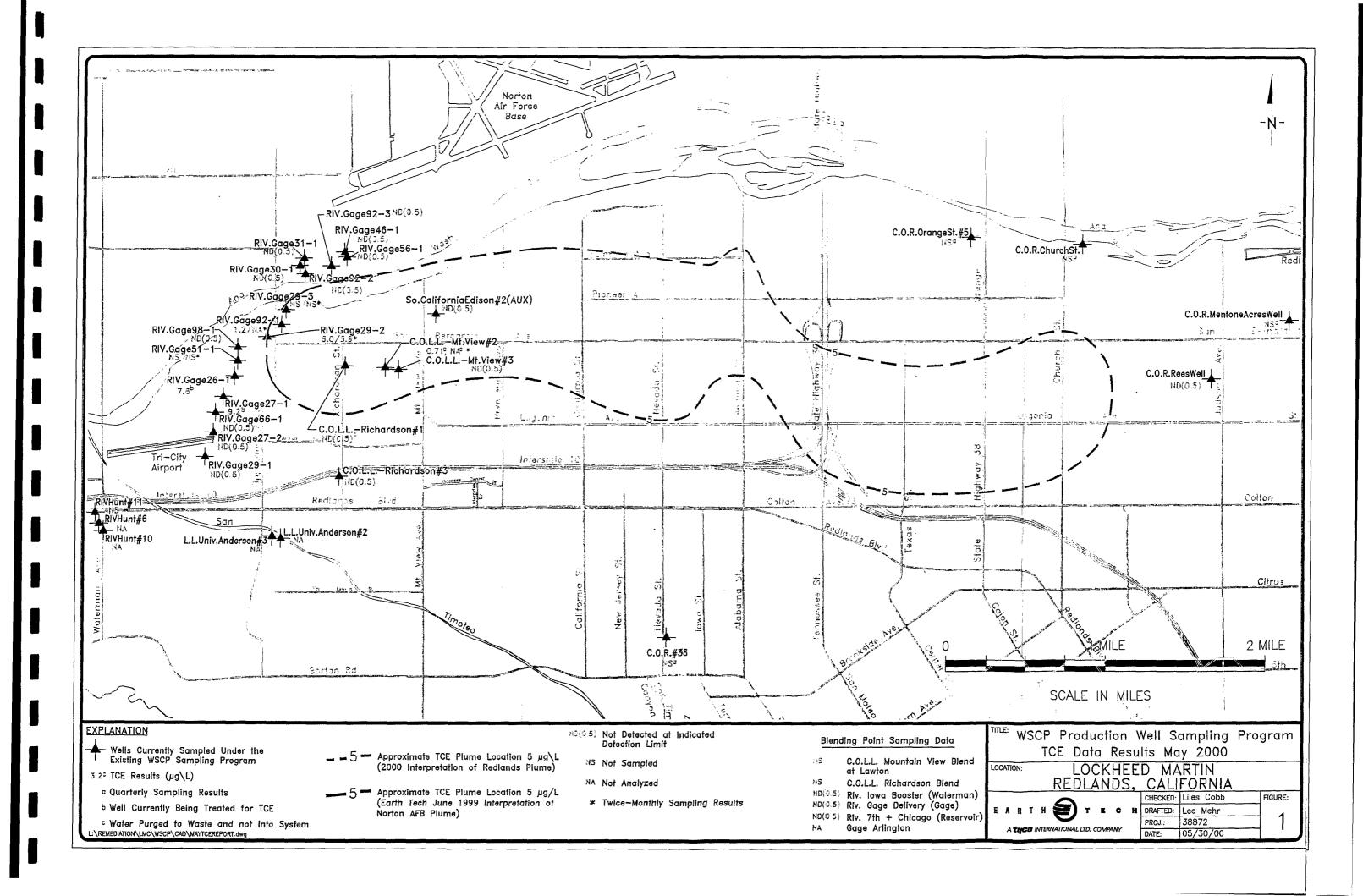
NA = Data not available

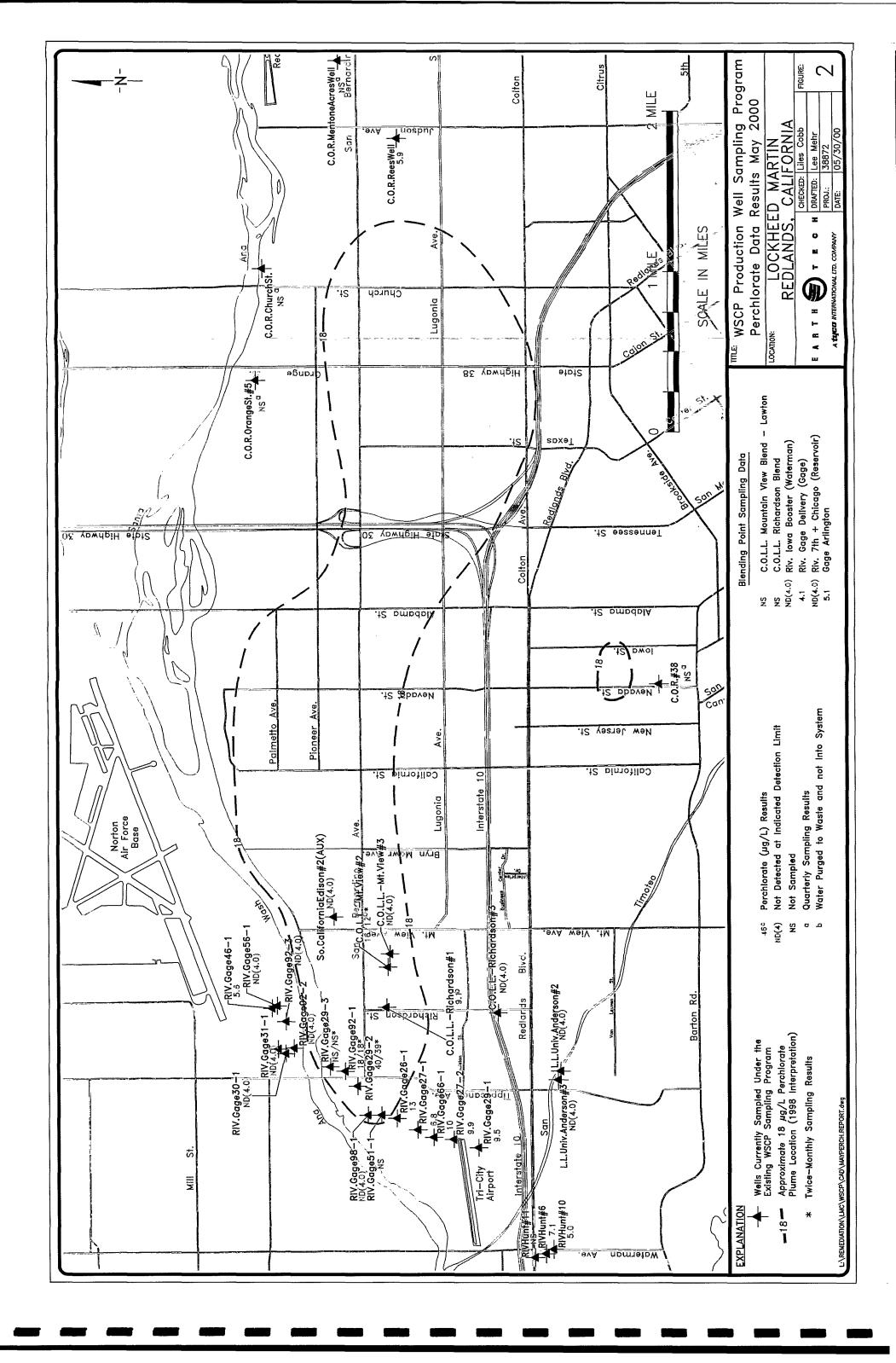
Static water levels were allowed to recover a minimum of 30 minutes to obtain a static water level measurement

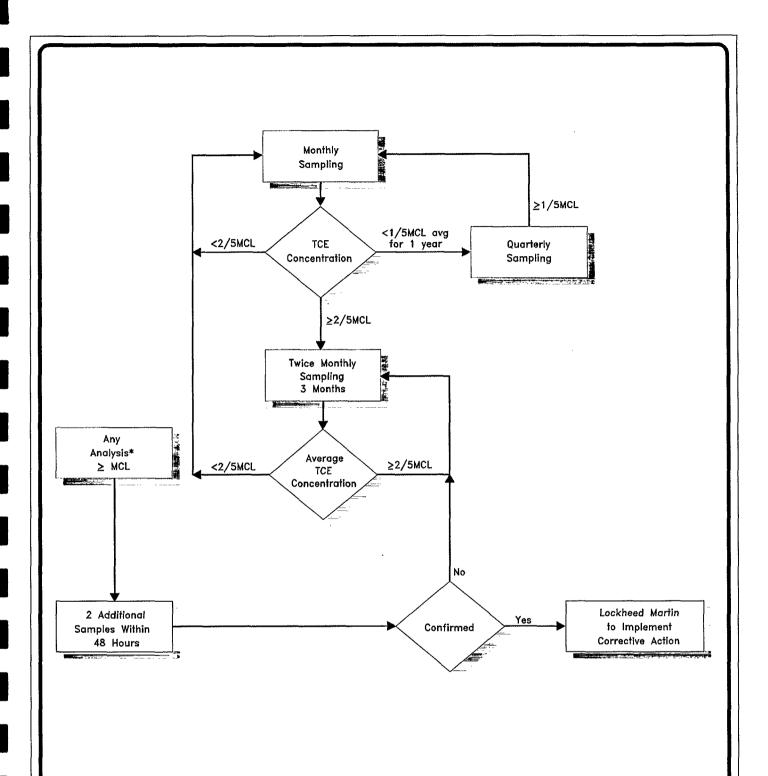
WSCP PRODUCTION WELL SAMPLING PROGRAM MAY 2000 SAMPLE IDENTIFICATIONS

Well Number	Well Name		Sample	Sample Number	Analyzed for	Analyzed for
		Sample Date	Time	Identification	Perchlorate	TCE
City of Loma Lind	la – i milatar mellikasi tuli ke					Established the second
692	Mountain View #2	5/2/00	10:25	GW-5-21	Yes	Yes
692	Mountain View #2	5/15/00	9:55	GW-5-35	Yes	No
3106	Mountain View #3	5/2/00	11:00	GW-5-22	Yes	Yes
693	Richardson #1	5/2/00	9:55	GW-5-19	Yes	Yes
693	Richardson #1 (Duplicate)	5/2/00	9:55	GW-5-20	Yes	Yes
707	Richardson #3	5/2/00	9:15	GW-5-18	Yes	Yes
City of Loma Lind	ta Water System Sampling Points	5.4,139	1 1 1 1 1			
2967	Mountain View Blend - Lawton	NS	NS	NS	NS	NS
2968	Richardson Blend	NS	NS	NS	NS	NS
Mountain View Po	ower (Formerly Southern California Ed	ison)	176 275			
554	SCE #2 (AUX)	5/2/00	8:35	GW-5-17	Yes	Yes
oma Linda Unive		See perfection	jur fragging page (1955)			
267	ILL Univ Anderson #2	5/2/00	12:08	GW-5-23	Yes	No
717	LL Univ Anderson #3	5/2/00	12:25	GW-5-24	Yes	No
City of Riverside			7 12.25			
252	Gage #26-1	5/1/00	13:15	GW-5-9	Yes	Yes
258	Gage #20-1	5/1/00	13:45	GW-5-10	Yes	Yes
259	Gage #27-2	5/1/00	14:50	GW-5-12	Yes	Yes
260	Gage #29-1	5/1/00	15:20	GW-5-12	Yes	Yes
219	Gage #29-2	5/1/00	11:50	GW-5-7	Yes	
219		5/1/00	11:55	GW-5-7	Yes	Yes
	Gage #29-2 (Duplicate)	5/15/00				Yes
219	Gage #29-2		9:25	GW-5-33	Yes	Yes
219	Gage #29-2 (Duplicate)	5/15/00	9:30	GW-5-34	Yes	Yes
220	Gage #29-3	NS_	NS	NS	NS NS	NS
218	Gage #30-1	5/1/00	10:50	GW-5-5	Yes	Yes
214	Gage #31-1	5/1/00	10:25	GW-5-4	Yes	Yes
215	Gage #46-1	5/1/00	9:00	GW-5-1	Yes	Yes
253	Gage #51-1	NS	NS	NS	Yes	Yes
216	Gage #56-1	5/1/00	9:25	GW-5-2	Yes	Yes
257	Gage #66-1	5/1/00	14:15	GW-5-11	Yes	Yes
644	Gage #92-1	5/1/00	16:15	GW-5-15	Yes	Yes
644	Gage #92-1	5/15/00	9:00	GW-5-32	Yes	No
641	Gage #92-2	5/1/00	11:10	GW-5-6	Yes	Yes
642	Gage #92-3	5/1/00	9:55	GW-5-3	Yes	Yes
3091	Gage #98-1	5/1/00	15:50	GW-5-14	Yes	Yes
	(Waterman System)		er er im itsass			
273	Hunt #6	5/2/00	13:30	GW-5-25	Yes	No
271	Hunt #10	5/2/00	13:50	GW-5-26	Yes	No
272	Hunt #11	NS	NS	NS	NS	NS
	Water System Sampling Points	Julian Strik	423.			
2946	lowa Booster (Waterman)	5/2/00	14:30	GW-5-27	Yes	Yes
2947	Gage Delivery (Gage)	5/2/00	15:05	GW-5-28	Yes	Yes
2947	Gage Delivery (Gage); (Duplicate)	5/2/00	15:10	GW-5-29	Yes	Yes
2948	7th & Chicago (Reservoir)	5/2/00	15:35	GW-5-30	Yes	Yes
3018	Gage Arlington	5/2/00	15:55	GW-5-31	Yes	No
City of Redlands				The second of th		
542	COR Church St	NS	NS	NS	N/A	N/A
2673	COR #38	NS	NS	NS	N/A	N/A
535	COR Mentone Acres	NS	NS	NS	N/A	N/A
535	COR Mentone Acres (Duplicate)	NS	NS	NS	N/A	N/A
29	COR Orange St	NS	NS	NS	N/A	N/A
74	COR Rees	5/2/00	7:55	GW-5-16	Yes	Yes

FIGURES







Footnote:

* If, at a specific well, blending is occurring to provide acceptable water for compounds other than TCE, than no corrective action may be necessary as long as the concentration of TCE is less than 5.0 $\mu g/L$ in the finished water.

TCE MCL = 5 μ g/L (California Regulations, Title 22, Division 4, Chapter 15, Section 64444)

L:\REMEDIATION\LMC\WSCP\CAD\TCEMATRIXFIG-3.dwg

Decision Matrix for Sampling of Production
Wells for TCE from the Crafton—Redlands Plume

LOCKHEED MARTIN
REDLANDS, CALIFORNIA



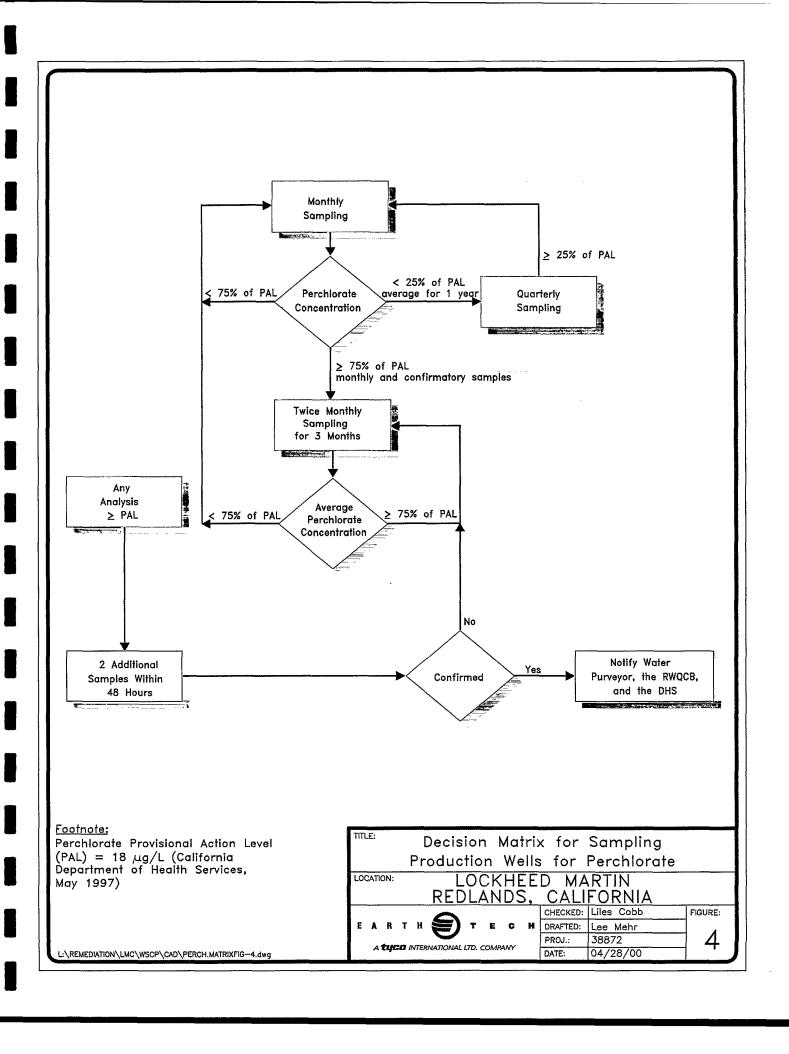
(2) T E C

A **THEO** INTERNATIONAL LTD. COMPANY

CHECKED:	Liles Cobb
DRAFTED:	Lee Mehr
PROJ.:	38872
DATE:	04/28/00

3

FIGURE:



ATTACHMENT A

FIELD SAMPLE FORMS (Available Upon Request)

ATTACHMENT B

CHAIN-OF-CUSTODY RECORDS AND
LABORATORY DATA SHEETS AND LEVEL III MODIFIED
QUALITY ASSURANCE/QUALITY CONTROL DOCUMENTATION
(Available Upon Request)